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REGION 9 TECHNICAL ASSISTANCE TEAM  
MONTHLY STATUS REPORT

December 1995

Prepared For:

U.S. Environmental Protection Agency  
Region IX  
Emergency Response Section  
Mr. William E. Lewis  
Deputy Project Officer

Contract No. 68 - WO - 0073

10 January 1996

Prepared By:

Ecology and Environment, Inc.  
Region IX Technical Assistance Team



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10 January 1996

U.S. Environmental Protection Agency  
Emergency Response Section, H-8-3  
75 Hawthorne Street  
San Francisco, CA 94105

TAT# 099601-T-001  
TDD# T099510-001  
PAN# E09Z001-GK

Attention: William E. Lewis, DPO

Subject: Monthly Status Report, Region IX TAT

Gentlemen:

I am pleased to submit the enclosed Technical Assistance Team (TAT) monthly status report for the reporting period which ended on December 31, 1995.

Please contact me if you have any questions regarding the enclosed report or any other aspect of the TAT program.

Sincerely,

Thompson Chambers  
Technical Assistance Team Leader

Attachment

cc: ZPMO  
File

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## 1.0 INTRODUCTION

### Executive Summary

The U.S. Environmental Protection Agency (EPA) Region IX Technical Assistance Team (TAT) continued assessment, oversight and removal activities throughout the region in December 1995. The issuance of new TDD's were significantly curtailed in December in response to the Agency-wide funding crisis and imminent TAT contract option period closure.

One new assessment/technical assistance TDD was issued. This involved the rapid dispatch of the TAT to Oahu, Hawaii to assist the state with investigation of the cause(s) of nuisance sulphur compound emissions at a large industrial park. The TAT met with involved agencies and evaluated the on-going surveillance program. This evaluation enabled the TAT to prepare a comprehensive quality assurance sampling and analysis plan and provide implementation support to the lead state agencies. Full-scale implementation of the TAT's plan is slated for late January 1996.

Oversight and maintenance activities continued in December for several on-going PRP investigations and funded removals. The TAT continued bi-weekly treatment system sampling and well sounding at the Frontier Fertilizer site in Davis, California. The pesticide contaminants in the local aquifer are being pumped and treated to below detectable levels. Initial soil sampling activities were completed by the PRP at the Omega Resources site in Whittier, California. The TAT is currently reviewing this data with EPA personnel to aid in the design of final phase Cone Penetrometer testing slated for late January, 1996.

The TAT continued leachate pump and treat monitoring and system efficiency analytical testing at the Casmalia Resources site in Casmalia, California. The TAT's role at Casmalia significantly expanded in December at the start of release of rainfall runoff from three containment ponds. The TAT performs weekly discharge and receiving stream sampling in accordance with the TAT drafted Storm Water Pollution Prevention Plan. Discharge activities are anticipated to be completed in January, 1996.

December marked the final training activity conducted under the TAT contract. The TAT provided instruction support for a 24-hour Hazardous Waste Operations and Emergency Response course for members of the California Conservation Corp (CCC). The training provides for a pool of Corps members available to state and federal agencies to support oil spill response actions.

The regional ATATL's hosted a TAT/START transition meeting attended by the new START Project Officer and the TAT DPO. The meeting focused on prioritization of existing TAT activities and mechanisms to roll critical activities immediately into the START program. The TAT contract closure activities and period 3A budget matters were reviewed and workable contingencies were prepared for the possible range of funding and contract transition scenarios expected at the onset of the new year.

## **2.0 REGION IX PROGRAM MANAGEMENT**

### **2.1 TAT Management**

This report is a compilation of the activities performed by TAT for EPA Region IX, encompassing both the San Francisco and Long Beach offices. Activities reported include new responses related to chemical and oil releases, site investigations and cleanups. Other topics include a number of off-site assistance projects.

The latter portion of this report includes a brief narrative of each active TDD, with a TDD status summary included in Appendix A.

### **2.2 Meetings**

The TAT management continues to hold regular weekly meetings with the Region IX DPO to coordinate upcoming project work, address program management issues, review program funding and budgets, plan inter-agency trainings, and review regional equipment and personnel resources. Topics this month also included the TAT contract closeout and possible shutdown as a result of the federal budget crisis/furlough.

The TAT management has also met several times over the past few months with Department of Justice attorneys regarding motions being filed against H.B. Chapman. The TAT has recounted project specifics and provided file information for the site work done in Nevada in 1989 and 1990.

Several meetings have also taken place to review options for maintenance and final disposition of contract project files. The option currently favored by Region IX would involve a combination of microfiching file contents and creating a searchable database.

### **2.3 Staffing**

Region IX TAT currently carries 21 dedicated FTE. The region delivered at the authorized level of 24 FTE by utilizing non-dedicated regional staff, when approved by EPA, to help meet zone crossover requirements, particular regional support needs, and to compensate for attrition of dedicated team members.

### **2.4 Equipment**

Activities under this TDD for this month were: (1) equipment maintenance, (2) vehicle maintenance, including new tires for the Blazer, a new paint job for Astro Van, and body work on the Suburban II; and (3) purchasing supplies. Inventory has been finalized in preparation for contract close out.

## **2.5 Training**

During December 1995, the TAT trained personnel on-site for new treatment techniques at the Casmalia Resources site.

## **2.6 Health and Safety**

Personnel field certification and OSHA compliance is monitored on the E & E HASTrack computer system. All the TAT regional field personnel are in compliance with company health and safety policy requirements. The annual refresher training was completed in June and July including CPR/First Aid re-certification.

## **2.7 Quality Assurance and Quality Control**

The TAT is operating under a regional quality assurance/quality control program in accordance with Ecology and Environment, Inc. and EPA requirements. The primary program objective of ensuring proper collection of field data and generation of high quality technical documents is being achieved by conducting quality assurance assessments of workplans, site safety plans, sampling plans, and reports. Audits of field and office operating procedures are also being performed.

## **2.8 Technology Transfer**

The TAT has recently instituted a formal debriefing process following all significant projects and field activities. Participating TAT members, EPA OSCs and other agency representatives identify and discuss planning and preparation, staffing, logistics, communications, and all technical project-related issues in an effort to enable more efficient field operations.

In conjunction with the TAT's Continuous Process Improvement (CPI) program for the region, the TAT is actively transferring all technical development work to the EPA in the form of SOPs, technical briefs, deliverables, presentations, and demonstrations from three QA-related TDDs.

### 3.0 SUMMARY OF TAT OPERATIONS

#### 3.1 Significant Emergency Responses:

#### 3.1 Significant Emergency Responses

##### o HAWAII TECHNICAL ASSISTANCE - OAHU, HAWAII

The TAT conducted a rapid response assessment with EPA to assist the state of Hawaii with investigating the cause of nuisance sulphur compound emissions at an industrial park located on the island of Oahu. The TAT met with local agencies and community groups and evaluated the state's on-going investigation program. The TAT provided the lead state agency with a comprehensive draft quality assurance sampling and analysis program plan and other technical assistance to help the state restructure the air surveillance activities in an attempt to identify fugitive emission sources. The state will implement the plan in mid-January 1996.

#### 3.2 Environmental Justice Sites:

- o The TAT was not directed to any Environmental Justice sites during December 1995.

#### 3.3 Summary of Funding Activity for 1-31 December 1995:

o CERCLA	96.0%
o OPA	3.0%
o CEPP	1.0%

#### 3.4 Summary of TDD Activities for 1-31 December 1995:

	<u>December</u>	<u>Cumulative</u>
o Issued (1):	01	48
o Completed (2):	39	43
o Open (3):		05

- (1) new TDDs only (does not include amendments or cancellations)
- (2) submitted as Interim AOC, or Final AOC (if no Interim was issued)
- (3) no AOC issued



**3.5 Technical Direction Documents for 1-31 December 1995:**

- o SPCC Inspections [C]: 00
- o On-Scene Monitoring [B]: 00
- o Spill Cleanup Funded [D]: 00
- o Site Assessment [S]: 00
- o Removal Funded [F]: 00
- o Removal Potentially Responsible Party (PRP) (AO/CO) [R]: 00
- o On-Site Monitoring [M]: 00
- o Special Project [J]: 00
- o Analytical Services [A]: 00
- o Corporate Special Project [K]: 00
- o Preparedness [P]: 00
- o Underground Storage Tanks (UST) [U]: 00
- o Federal Emergency Management Agency (FEMA) [E]: 00
- o Quality Assurance [Q]: 00
- o Training [T]: 00
- o Program Management [G]: 00
- o Technical Assistance [V]: 01  
T09-9601-001 E09-Z197-VAA Hawaii Technical Assistance
- o Information Management [N]: 00

### 3.6 Project Descriptions for 1-31 December 1995:

Below are narrative descriptions for TDDs active during the month of December 1995:

<b>TDD#:</b> T099510-001A	<b>GENERAL PROGRAM MANAGEMENT</b>
<b>PAN#:</b> E092001-GK	<b>PROGRAM MANAGEMENT</b>
<b>STATUS:</b> INTERIM	<b>SAN FRANCISCO &amp; LONG BEACH, CALIFORNIA</b>

The TATL and both regional ATATLs expended TDD hours this month for overall program and office management activities, which included: project staffing, TDD administration, health and safety oversight, subcontracting administration, capital inventory maintenance, overall program and deliverable QA/QC, technical training, and personnel/team development. The TAT management has also formed an ad hoc committee to review and develop options for modifying/improving the performance evaluation and peer review protocols used by the team. This committee will investigate several new protocols, including some available through commercial vendors, and will report their findings to the whole team in the next few months. The TAT continues to research and develop new electronic forms of contract deliverables utilizing the EPA's new Lotus Notes software platform. Other issues requiring management attention this month included coordinating with ZPMO and the Regional DPO on program budget tracking and funding for the quarter (Option Period 3A).

<b>TDD#:</b> T099510-002	<b>OPA/CWA GENERAL PROGRAM MANAGEMENT</b>
<b>PAN#:</b> E092002-GK	<b>PROGRAM MANAGEMENT</b>
<b>STATUS:</b> INTERIM	<b>SAN FRANCISCO &amp; LONG BEACH, CALIFORNIA</b>

Under this TDD, the TAT provides management for the proper implementation and timely completion of OPA funded projects. The TAT management coordinates related activities with the ERS, assigns and monitors personnel on funded activities, provides QA/QC on all written and final documentation, and tracks and reviews related project costs within the allotted budget. OPA management for Region IX TAT will continue throughout the quarter under this TDD.

<b>TDD#:</b> T099510-003	<b>EPA SPILL PHONE</b>
<b>PAN#:</b> E092004-VK	<b>TECHNICAL ASSISTANCE</b>
<b>STATUS:</b> INTERIM	<b>SAN FRANCISCO, CALIFORNIA</b>

The EPA Region IX Spill Phone is answered by the TAT on Monday through Friday from 0700 to 1700 hours. A primary team member is assigned to the phone to provide continuous coverage. In December 1995, the TAT processed 440 spill reports.

<b>TDD#:</b> T099510-004	<b>GENERAL TAT TRAINING</b>
<b>PAN#:</b> E092007-TK	<b>TRAINING</b>
<b>STATUS:</b> INTERIM	<b>SAN FRANCISCO &amp; LONG BEACH, CALIFORNIA</b>

During December 1995, the TAT trained personnel on-site for new treatment techniques at the Casmalia Resources site.

**TDD#:** T099510-005  
**PAN#:** E092177-GD  
**STATUS:** INTERIM

**TAT EQUIPMENT MAINTENANCE/MANAGEMENT  
PROGRAM MANAGEMENT  
SAN FRANCISCO & LONG BEACH, CALIFORNIA**

Activities under this TDD for this month were: (1) equipment maintenance, (2) vehicle maintenance, including new tires for the Blazer, a new paint job for the Astro Van, and body work on the Suburban II; and (3) purchasing supplies. The Region IX equipment coordinator met with the Long Beach equipment manager regarding equipment inventory issues and to prepare for contract shutdown.

**TDD#:** T099510-006  
**PAN#:** E092132-VC  
**STATUS:** INTERIM

**SPECTRACE EVALUATION  
TECHNICAL ASSISTANCE  
SAN FRANCISCO, CALIFORNIA**

The TAT has evaluated the Spectrace 9000 XRF over a two year period at various sites throughout the region. The TAT completed the evaluation and delivered the information at a presentation held in October. A final letter report will be submitted.

**TDD#:** T099510-007  
**PAN#:** E092166-NC  
**STATUS:** INTERIM

**DIGITIZATION PILOT PROJECT  
INFORMATION MANAGEMENT  
SAN FRANCISCO, CALIFORNIA**

The TAT developed a proposal to digitize deliverables for incorporation into the existing EPA Lotus Notes platform. A Technical Assistance Lotus Extension System (TALES) database has been developed and implemented on the EPA Lotus Notes server. The TAT personnel attended Lotus Notes training classes at EPA during August 1995. The TAT has established a Lotus Notes remote workstation with access to the EPA server and a mail address at EPA. In addition, the TAT has e-mail capabilities with EPA personnel. Digitized deliverables have been generated and reside in the TALES database at EPA and on the TAT workstation.

**TDD#:** T099510-008  
**PAN#:** E092023-NH  
**STATUS:** INTERIM

**REGIONAL CERCLIS COORDINATOR  
INFORMATION MANAGEMENT  
SAN FRANCISCO & LONG BEACH, CALIFORNIA**

The TAT is operating a regional CERCLIS program under the guidance of the USEPA. Comprehensive information management support is provided and database information sheets regarding Superfund removal sites are completed.

**TDD#:** T099510-009  
**PAN#:** E092062-QH  
**STATUS:** INTERIM

**QA/QC COORDINATION  
QUALITY ASSURANCE  
SAN FRANCISCO, CALIFORNIA**

The Regional QA/QC Program, in accordance with E & E and EPA requirements, ensures the generation of accurate and high quality field data and formal reports. Quality assurance assessments of work plans, site safety plans, sampling plans, reports, and field audits will be conducted. Standard operating procedures will be referenced.

**TDD#:** T099510-010  
**PAN#:** E09Z200-GA  
**STATUS:** INTERIM

**HEALTH & SAFETY COORDINATION**  
**PROGRAM MANAGEMENT**  
**SAN FRANCISCO & LONG BEACH, CALIFORNIA**

Personnel field certification and OSHA compliance is monitored on the E & E HASTrack computer system. All the TAT regional field personnel are in compliance with company health and safety policy requirements.

**TDD#:** T099510-011  
**PAN#:** E09Z201-GA  
**STATUS:** INTERIM

**TAT ADMINISTRATIVE SUPPORT**  
**PROGRAM MANAGEMENT**  
**SAN FRANCISCO & LONG BEACH, CALIFORNIA**

In order for the TAT to run smoothly, efficiently and effectively, the TAT administrative staff are continually supporting the Region IX TAT in San Francisco and Long Beach office by maintaining the required office files, providing word processing, accounting support, and reception. One TAT administrative assistant is in charge of coordinating TDDs and AOCs with the TAT members and EPA personnel. She also is in charge of assigning waste site tracking numbers in order for the team members to correctly charge labor and other direct costs to the proper projects. Other duties include regular tracking of project due dates, hours, costs for TAT project managers as well as EPA project managers. The TAT administrative staff provides administrative and clerical support as required.

**TDD#:** T099510-012  
**PAN#:** E09Z202-VA  
**STATUS:** INTERIM

**ON-CALL/RESPONSE CALL-OUT**  
**TECHNICAL ASSISTANCE**  
**SAN FRANCISCO & LONG BEACH, CALIFORNIA**

The TAT provides 24-hour on-call and emergency response capabilities out of both the Long Beach and San Francisco offices. Two TAT members are always on-call in each office. There were no response call-outs in December 1995.

**TDD#:** T099510-013  
**PAN#:** E09Z203-QA  
**STATUS:** INTERIM

**ANALYTICAL QUALITY ASSURANCE**  
**QUALITY ASSURANCE**  
**SAN FRANCISCO & LONG BEACH, CALIFORNIA**

The TAT provided non-site specific Analytical Quality Assurance for the ERS and the TAT program. Duties in December involved assisting with government investigation of a laboratory formerly used by the TAT. The TAT is currently assessing their ability to do emergency sample analysis.

**TDD#:** T099510-014  
**PAN#:** E09Z204-QA  
**STATUS:** INTERIM

**TECHNICAL QUALITY CONTROL**  
**QUALITY ASSURANCE**  
**SAN FRANCISCO & LONG BEACH, CALIFORNIA**

The TAT used these hours to conduct technical research and development activities as directed by OSCs, or as needed based on team development objectives. Dissemination of information was in the form of Fact Sheets entered into the TAT database, and training as required.

**TDD#:** T099510-015  
**PAN#:** E092205-NA  
**STATUS:** INTERIM

**COMPUTER SUPPORT/MANAGEMENT  
INFORMATION MANAGEMENT  
SAN FRANCISCO & LONG BEACH, CALIFORNIA**

This Technical Direction Document provides computer support for the TAT. Computer training of TAT members will be conducted under this TDD, as well as computer virus checks and elimination. Maintenance and coordination of computer hardware and software for both TAT-dedicated and non-TAT computers will also be performed. With the introduction of Lotus Notes as the EPA Region IX TAT's integrated database/information management system, this TDD will provide the support needed to install and maintain associated hardware and software.

**TDD#:** T099510-016  
**PAN#:** E092206-GA  
**STATUS:** INTERIM

**REGIONAL CONTRIBUTION TO FIXED E & E  
PROGRAM MANAGEMENT  
SAN FRANCISCO & LONG BEACH, CALIFORNIA**

This TDD was opened as an accounting mechanism for program budget tracking at the regional level for the EPA Region IX contribution to the E & E contract fixed fee for option period 3A. No labor or other direct costs will be charged under this TDD.

**TDD#:** T099510-017  
**PAN#:** E092003-PD  
**STATUS:** INTERIM

**CEPP MANAGEMENT ACTIVITY STARTUP  
PREPAREDNESS  
SAN FRANCISCO, CALIFORNIA**

The TAT received a CEPP management TDD which was used during the semester for preparing project cost estimates. The TAT used this TDD to provide administrative oversight, cost accounting, and preliminary project planning meetings. The CEPP TDD has been used for administrative costs related to the Honolulu field exercise, evacuation guidance document preparation, air monitoring manual development, Southern Pacific Railroad Safety Audit, and initial activities of the Puna Geothermal Emergency Response Plan evaluation.

**TDD#:** T099510-018A  
**PAN#:** E092171-PC  
**STATUS:** INTERIM

**EMERGENCY AIR MONITORING DIRECTORY  
PREPAREDNESS  
CONTRA-COSTA, CALIFORNIA**

The TAT has reviewed the Emergency Air Monitoring TDD and has begun initial meetings with the EPA to refine and implement the scope of work. The TAT is tasked with preparing a county-wide (Contra Costa County) air monitoring resource directory to upgrade local response preparedness. The TAT has conducted in-depth interviews with emergency response and analytical laboratory officials in the city of Richmond, Contra Costa County, and Air Resources Board laboratories in Sacramento, California. The TAT has also evaluated air monitoring resources of mutual aid groups and is initiating development of the database for the regional directory. The TAT is now entering information into the database regarding local emergency air monitoring and sampling capabilities, and analytical services laboratories in the San Francisco Bay Area.

**TDD#:** T099510-019A  
**PAN#:** E092090-PD  
**STATUS:** INTERIM

**OAHU FULL-FIELD EXERCISE  
PREPAREDNESS  
SAN FRANCISCO, CALIFORNIA**

The TAT made a presentation on the Oahu Full-Field Exercise to the Oceanic Regional Response Team, provided pre-exercise training, conducted the exercise and led the formal post-exercise evaluation. The TAT has prepared a final evaluation report based on comments from key players involved in the exercise and has submitted the report to the EPA for final review.

**TDD#:** T099510-020  
**PAN#:** E092189-PB  
**STATUS:** INTERIM

**EVACUATION GUIDANCE DOCUMENT  
PREPAREDNESS  
SAN FRANCISCO, CALIFORNIA**

The TAT has begun preparing the evacuation shelter-in-place guidance manual and decision tree document by reviewing current relevant FEMA publications. The TAT has ordered relevant publications from various local agencies and FEMA and is in the process of conducting background information gathering. The TAT has met with representatives of the Los Angeles County Fire Department, Los Angeles County Health and Hazardous Materials Division, and Los Angeles Unified School District to discuss case histories for inclusion in the document. The TAT is currently writing the guidance manual.

**TDD#:** T099510-021  
**PAN#:** E092175-PB  
**STATUS:** INTERIM

**SOUTHERN PACIFIC RAILROAD CSA  
PREPAREDNESS  
SAN FRANCISCO, CALIFORNIA**

The TAT submitted evaluations of the Southern Pacific Railroads emergency preparedness management plan to the EPA in February of 1995. A draft safety audit document, which included the TAT's and the EPA's evaluation, is currently being reviewed by Southern Pacific Railroad. The final report will be edited and distributed by the TAT after Southern Pacific's comments are received and incorporated.

**TDD#:** T099510-022A  
**PAN#:** ECA1218-FB  
**STATUS:** INTERIM

**FRONTIER FERTILIZER  
REMOVAL FUNDED  
DAVIS, CALIFORNIA**

Removal field work at the Frontier Fertilizer Site commenced on April 17, 1995. To date, work completed at the site includes installation of 11 extraction wells, abandonment of 4 monitoring wells, and redevelopment of 10 existing monitoring wells. In May, six new injection wells were added south of the former pesticide source area. These wells inject treated groundwater from the pump-and-treat system back into the two uppermost semi-confined aquifers upgradient of the former source area. It is expected that injection of groundwater will serve to flush pesticide-contaminated soils and reduce the time required to remediate this site. Well installation was completed on May 26, 1995. During mid-to late-May the EPA completed a high voltage electron beam pilot-scale groundwater treatment test, the results of which are pending. This unit is intended to run either alone or parallel to a conventional granular activated carbon (GAC) system. The TAT prepared a QASP for periodic

sampling of the groundwater pump-and-treat system and sampling of influent and effluent began in mid-July on a weekly basis. During June 1995, the TAT visited the site to learn the operation of the software that will control the pump-and-treat system. The QASP completed by the TAT outlines three objectives of sampling: 1) monitoring the influent from S1-S2 and A1 aquifer wastestreams; 2) checking for breakthrough in the GAC units; and 3) monitoring the effluent to comply with discharge permit requirements for the city of Davis. Dates of sampling in July were the 14th, 21st and 27th. Sampling will continue on a weekly basis until the breakthrough characteristics of the GAC units are clearly understood. Sampling of the pump-and-treat system continued during August on the 4th, 14th, 18th, and 25th. In addition, the TAT has begun measuring static water levels in the non-pumping wells at the site. Analytical results to date indicate up to 3,000 ppb DCP, 1,300 ppb EDB, and 30 ppb DBCP in the influent samples. All effluent samples to date have no detectable contaminants. The treatment system was sampled on September 1st, 8th, 22nd, and 29th. There was a malfunction in the system's operating software which resulted in its being shut down during the period of September 12th to the 19th. During October, the treatment system was sampled on October 18th and 31st. Also during October, the TAT was tasked by OSC Mandel to conduct a baseline groundwater sampling survey of 29 wells, including 12 extraction wells and 17 monitoring wells. This sampling was conducted between October 16-19. The purpose of the sampling was to identify the presence and levels of contaminants in individual wells as well as identifying additional monitoring wells suitable for conversion to extraction wells. The treatment system sampling has been modified to twice a month and was conducted November 13 and 28, and December 7 and 29. The bi-weekly sampling will continue each month.

**TDD#:** T099510-023  
**PAN#:** EAS0444-FC  
**STATUS:** INTERIM

**NAVAJO TOXAPHENE**  
**REMOVAL FUNDED**  
**WINDOW ROCK, ARIZONA**

The TAT was directed to determine the extent of toxaphene soil contamination and assist in bioremediation efforts on 22 sites across the Navajo Nation. The TAT has characterized all 22 sites, evaluated all data, determined excavation requirements and calculated amendment volumes necessary for the bioremediation phase of the project. Excavation of contaminated soil and installation of bioremediation cells has been completed at all 22 sites. Bioremediation is complete at fourteen of the sites and work is currently being done to remove those treatment cells. The remaining treatment cells were sampled at the end of September to monitor bioremediation progress. The next sampling of the remaining bioremediation cells is tentatively scheduled for late Spring 1996.

**TDD#:** T099510-024  
**PAN#:** ECA1211-VD  
**STATUS:** INTERIM

**DIAMOND 20 ASBESTOS**  
**TECHNICAL ASSISTANCE**  
**COPPEROPOLIS, CALIFORNIA**

The TAT provided health and safety training and technical oversight for RP funded remediation work on June 21 - 22, 1995. The oversight started immediately following the training. The TAT reviewed work plans, health and safety plans and the QASP prior to site activities. The TAT oversaw

all site activities involving the encapsulating of asbestos-bearing material. Encapsulating of the material was completed in July 1995. A final report will be submitted to EPA.

**TDD#:** T099510-025  
**PAN#:** ECA0561-MB  
**STATUS:** INTERIM

**DODSON BROTHER OIL COMPANY**  
**ON-SITE MONITORING**  
**MONTCLAIR, CALIFORNIA**

In September, the TAT monitored the underground storage tank excavation and associated cleanup at the Dodson Brothers site in Montclair, California. The effort is being conducted voluntarily by the PRPs. In November, the TAT continued to monitor cleanup activities which consisted of the excavation and storage on-site of approximately 450 cubic yards of contaminated soil. The soil was removed from the underground storage tank excavation and historical dumping areas. The TAT will continue to monitor activities at Dodson which will include site restoration and disposal of excavated soils.

**TDD#:** T099510-026  
**PAN#:** ECA1973-FB  
**STATUS:** INTERIM

**CENTRAL EUREKA MINE**  
**REMOVAL FUNDED**  
**SUTTER CREEK, CALIFORNIA**

The TAT conducted health and safety oversight of removal activities at the Central Eureka Mine site in Sutter Creek, Amador County, California. This included documenting off-site dust migration with minirams equipped with dataloggers and overseeing personnel health and safety for ERCS and one RP contractor as they excavated and backfilled arsenic contaminated residential yards. A second RP contractor has been conducting excavation of arsenic contaminated soil on the mesa.

**TDD#:** T099510-028  
**PAN#:** ECA1019-FE  
**STATUS:** INTERIM

**DEL NORTE PESTICIDE**  
**REMOVAL FUNDED**  
**CRESCENT CITY, CALIFORNIA**

The TAT continues to conduct quarterly monitoring of groundwater for the pesticide 1,2-DCP at this Superfund site in Del Norte County, California. Groundwater is pumped from two extraction wells to an air stripping system. Treated water is pumped to a sanitary sewer and air from the system is treated by ultraviolet oxidation before release. In February 1994, the TAT installed nine groundwater sparge points with the EPA Geoprobe. This was done to enhance removal of contamination from groundwater and soil. In July 1995, the TAT installed 15 additional sparge points with a rented four-wheel-drive Geoprobe. Also in July 1995, the TAT assisted the EPA in repairing the discharge line and restarting the system. The system had been inoperative since the fall of 1995 due to pump breakdowns. Also, the system is shut down every winter to avoid freeze damage. In addition, the TAT sampled four on-site monitoring wells. In September 1995, the TAT investigated system malfunctions and adjusted pumping and sparge rates. In October 1995, the TAT collected quarterly groundwater monitoring samples and performed scheduled system maintenance.



**TDD#:** T099510-029A  
**PAN#:** ECA0156-FE  
**STATUS:** INTERIM

**CASMALIA RESOURCES**  
**REMOVAL FUNDED**  
**CASMALIA, CALIFORNIA**

The TAT continues to provide technical assistance during removal activities at Casmalia Resources. The TAT oversee operation of on-site leachate pump/treat systems and storage facilities. The TAT provides QA/QC for the ERCS' on-site treatment systems and maintains the administrative record, RCMS and analytical database for the site. An interim report was submitted to the EPA summarizing on-site activities through December 1994. The TAT assisted in the design and implementation of plans for the release of rainfall runoff from three containment ponds. The TAT prepared a Storm Water Pollution Prevention Plan and conducts weekly sampling and inspection of the ponds and Casmalia Creek. The TAT designed sampling and monitoring plans for the new on-site treatment system. The TAT collects and analyzes samples from the treatment systems on-site, reducing analytical costs for the project.

**TDD#:** T099510-030  
**PAN#:** ENV0054-RD  
**STATUS:** INTERIM

**SPARKS SOLVENT FUEL/PLUME**  
**REMOVAL PRP**  
**SPARKS, NEVADA**

During a site assessment in 1991, the TAT discovered soil and groundwater contamination by petroleum hydrocarbons and chlorinated solvents at a large above ground storage tank farm and railyard complex in Sparks, Nevada. Subsequently, the EPA issued an Administrative Order to a respondent group of eight oil companies, a pipeline partnership, and a railroad transportation company. The TAT evaluated the respondent's removal action plan and provided comments to the EPA. The TAT conducted oversight of all respondent assessment and removal activities and is currently monitoring the installation of a large-scale vapor extraction and groundwater treatment system. Verbal reports are submitted daily whenever the TAT is on site. The TAT has also attended and provided assistance for technical workgroup meetings, public meetings, and regulator discussions. In January 1995, the TAT investigated and documented health and safety violations in conjunction with Nevada OSHA, NVDEP, and Washoe County Health. An interim progress report was submitted by the TAT in July 1995. The TAT evaluated an accelerated cleanup proposal for the Helms gravel pit submitted by the respondents, and provided written comments to the EPA in December 1995.

**TDD#:** T099510-031  
**PAN#:** EAZ0415-SC  
**STATUS:** INTERIM

**SANDER'S AVIATION**  
**SITE ASSESSMENT**  
**TEMPE, ARIZONA**

Prior to site assessment activities (TDD # T0994008-005 and T099410-034) the TAT reviewed background information on the Sander's Aviation Site, Tempe, Arizona. On September 1, 1994, the TAT met with ADEQ and the EPA OSC during a site visit. The TAT prepared a trip report for this visit and an estimate of the cost for preliminary testing of soil contamination at the site. The TAT prepared a QASP for the removal assessment and revisited the site in November 1994 to discuss remediation options with a subcontractor and the EPA's ERT. In December 1994, the TAT mobilized to Tempe, Arizona and performed sampling activities through December 16.

The TAT completed the report on the removal assessment and submitted the final report to the EPA. The TAT met with the EPA to discuss additional work at the Sanders Aviation Site and prepared a QASP for the work. The TAT returned to the site to perform further site characterization in July 1995. This work was discussed in a draft report submitted to the EPA in September 1995. The TAT prepared a QASP for air monitoring during trial thermal desorption tests in September 1995. The TAT completed the air monitoring trial and prepared a report describing on-site activities. The TAT prepared a QASP for process monitoring and confirmation sampling during the excavation and treatment phase of the project.

**TDD#:** T099510-032  
**PAN#:** EA20434-RD  
**STATUS:** INTERIM

**YAVAPAI PENTA POND**  
**REMOVAL PRP**  
**PRESCOTT, ARIZONA**

Prior site assessment activities (TDD# T099112-008) at the defunct Southwest Forest Industries site, located on the Yavapai-Prescott Indian Reservation, revealed gross contamination of pentachlorophenol (PCP) and metals in soil. In August 1992, the PRP, Stone Container Corp. signed an EPA Consent Order agreeing to characterize and remediate the site. The TAT oversaw sampling activities conducted by the PRP contractor during the month of December 1992. In October 1993, a Quality Assurance Project Plan (QAPP) and Phase II Sampling Work Plan were submitted to EPA, which the TAT also reviewed. The TAT has monitored the implementation of the Phase II Work Plan which was completed August 3, 1994. The TAT produced a Phase II Interim Report and submitted it to the OSC on October 24, 1994. The TAT met with the RP and contractors to discuss Phase II results on October 27, 1994. The TAT reviewed the RP's Phase II report and the RP's Remedial Screening Report submitted on November 30, 1994. The TAT met with the RP and contractors on May 3, 1995, to discuss plans for pilot studies on a bioremediation remedy. The TAT monitored the pilot study of 7 on-site bioremediation cells and 3 in situ cells, which began in July and ended in November 1995. The TAT attended a scoping meeting with the RP and contractors on November 30 to discuss the conceptual design of full-scale bioremediation.

**TDD#:** T099510-033B  
**PAN#:** ECA1940-RB  
**STATUS:** INTERIM

**OMEGA RECOVERY SERVICES**  
**REMOVAL PRP**  
**WHITTIER, CALIFORNIA**

In September, the PRP drum removal effort phase of this project was completed. Nearly 3,000 drums and tanks were removed under the provisions of an EPA approved workplan. The TAT provided a full-time on-scene monitoring and reporting function throughout this phase. Second phase soil gas sampling was performed in October and the TAT is currently providing review of the results. EPA approval of a soil sampling Work Plan had been received and field work was completed in December. A cone penetrometer soil profile will be completed in the new year under the START contract.

**TDD#:** T099510-036  
**PAN#:** E092194-NA  
**STATUS:** INTERIM

**BULLETIN BOARD SYSTEMS  
INFORMATION MANAGEMENT  
LONG BEACH, CALIFORNIA**

Under this TDD, the TAT will produce a dynamic index and brief synopsis of various environmental bulletin board systems deemed useful to the environmental industry. To date, higher priority field and office assignments took precedence over this low priority TDD.

**TDD#:** T099510-037  
**PAN#:** E092195-VA  
**STATUS:** INTERIM

**LEVEL "A" JUSTIFICATION & DEVELOP SOP  
TECHNICAL ASSISTANCE  
LONG BEACH, CALIFORNIA**

The TAT researched Level "A" capabilities of various local, state and federal jurisdictions to determine if the U.S. EPA needed to upgrade their response expertise to include Level "A" response capabilities. Based on the research conducted, the TAT recommended to U.S. EPA that the need for upgrade did not exist as capabilities for Level "A" response were adequately covered by other agencies within the region. An interim AOC and final report have been submitted.

**TDD#:** T099510-039  
**PAN#:** ECA2016-SA  
**STATUS:** INTERIM

**GIBSON ENVIRONMENTAL - REDWOOD CITY  
SITE ASSESSMENT  
REDWOOD CITY, CALIFORNIA**

The TAT met with Gibson's recycling facility manager in Redwood City on 24 October 1995. Representatives from the Port of Redwood City, the facility property owner, also attended. The TAT reviewed emergency procedures and maintenance protocols in case the facility, with Gibson Environmental having declared bankruptcy, is left abandoned and the TAT is called upon to assure abandoned materials are secure. The Port of Richmond will continue to fund the facility crew until the facility can be transferred to a new owner. On November 15, 1995, the TAT contacted the former Gibson facility manager and learned that he had been contracted by the Port of Redwood City to continue management of the site until future arrangements can be made. The TAT has prepared a report documenting site assessment activities and recommendations. This completes all the TAT activities under this TDD.

**TDD#:** T099510-040  
**PAN#:** E092196-VA  
**STATUS:** INTERIM

**CPT & HOLLOW STEM EVALUATION  
TECHNICAL ASSISTANCE  
LONG BEACH, CALIFORNIA**

Under this TDD, the TAT prepared a comparative analysis of cone penetration testing (CPT) equipment and conventional hollow stem drilling equipment. The analysis will assist OSCs and Project Managers with selection of CPT or hollow stem technology based on cost, ease of use, appropriate settings and sampling objectives. An interim AOC and final report have been submitted.

**TDD#:** T099510-041  
**PAN#:** E092172-TE  
**STATUS:** INTERIM

**CCC TRAINING**  
**TRAINING**  
**LONG BEACH, CALIFORNIA**

The TAT is assisting the CCC in providing training to Corp members as part of that organization's oil spill response contract with California Department of Fish and Game. The TAT provided one person for instruction on topics including: toxicology, health and safety, chemistry, site control, protective clothing and incident management. The TAT provided the Corp with a package containing training materials developed for their program. An interim AOC and final report have been submitted.

**TDD#:** T099510-042  
**PAN#:** ECA1990-FA  
**STATUS:** INTERIM

**VERDESE CARTER PARK**  
**REMOVAL FUNDED**  
**OAKLAND, CALIFORNIA**

The EPA ERS requested the TAT to provide POLREPs and to review and comment on the RP contractor's work plan, health and safety plan, contingency plan, sampling plan and quality assurance plan. The TAT were also tasked to provide XRF services for the excavation of soil contaminated with lead. Future site work by the TAT is pending. The TAT will provide oversight of the activities to the EPA when on-site operations begin and a letter report will be submitted at the conclusion of this project. This project has been put on hold until further notice.

**TDD#:** T099511-001  
**PAN#:** ECA2012-RA  
**STATUS:** INTERIM

**AMERICAN CHROME ENGINEERING, INC.**  
**REMOVAL PRP**  
**OAKLAND, CALIFORNIA**

The TAT was requested by EPA to provide oversight responsibilities of RP removal activities. Prior site assessment activities concluded that an estimated volume of liquid waste present on site included 2500 gallons of acid solutions, cyanide solutions and miscellaneous solutions. The RP and his contractors are working under the provisions of an EPA-approved Work Plan. A letter report will be submitted upon completion of this project.

**TDD#:** T099511-002  
**PAN#:** ECA1967-FC  
**STATUS:** INTERIM

**SUPERCROME PLATING & ENGINEERING**  
**REMOVAL FUNDED**  
**LOS ANGELES, CALIFORNIA**

Interim site stabilization measures were conducted under this TDD. These tasks involved placement of barriers and pump systems to ensure containment of precipitin runoff during the rainy season. Site maintenance activities will continue pending final removal operations.

**TDD#:** T099512-001  
**PAN#:** E092197-VA  
**STATUS:** INTERIM

**HAWAII TECHNICAL ASSISTANCE**  
**TECHNICAL ASSISTANCE**  
**OAHU, HAWAII**

The TAT conducted a rapid response assessment with EPA to assist the state of Hawaii with investigating the cause of nuisance sulphur compound emissions at an industrial park located on the island of Oahu. The TAT met with local agencies and community groups and evaluated the state's

on-going investigation program. The TAT provided the lead state agency with a comprehensive draft quality assurance sampling and analysis program plan and other technical assistance to help the state restructure the air surveillance activities in an attempt to identify fugitive emission sources. The state will implement the plan in mid-January 1996.

**APPENDIX A**

**REGION IX - TDD MONTHLY STATUS REPORT**

DATE: 01/09/96  
TIME: 11:23:17

ECOLOGY & ENVIRONMENT, INC.  
REGION 09  
TDD MONTHLY STATUS

PAGE: 1

Active TDDs: October 1, 1995 THROUGH December 31, 1995

=====																							
F=Funding:			(1=CERCLA, 2=OPA, 3=UST, 4=OTHER, 5=CEPP)					P=PRIORITY:			(High/Medium/Low)		S=STATUS:			(initialized/Open/Interim/Closed)							
=====																							
TDD NUMBER	PAN	SITE NAME	F	P	O	T	S	OSC	MGR	E&E	MGR	EST HOURS	ACTUAL HOURS	EST DOLLARS	ACTUAL DOLLARS*	TDD ISSU DATE	TDD RECD DATE	TDD COMP DATE	AOC INT DATE	AOC TATL DATE	AOC DPO DATE		
T09-9510-001A	E09Z001GK	GENERAL PROGRAM MA	1	H	Y	I			LEWIS	CHAMBERS		1375	1319.50	129675.00	65938.51	01/03/96	01/04/96	12/31/95	01/08/96				
T09-9510-002	E09Z002GK	OPA GENERAMAL MANA	2	H	Y	I			LEWIS	CHAMBERS		100	3.00	5300.00	184.44	09/28/95	10/02/95	12/31/95	01/03/96				
T09-9510-003	E09Z004VK	EPA REGIONAL 9 SPI	1	H	Y	I			LEWIS	CLEMENS		700	561.00	38000.00	21504.25	09/28/95	10/02/95	12/31/95	12/21/95				
T09-9510-004	E09Z007TK	GENERAL TAT TRAINI	1	M	Y	I			LEWIS	CLEMENS		700	244.50	39600.00	8832.71	09/28/95	10/02/95	12/31/95	01/03/96				
T09-9510-005	E09Z177GD	TAT EQUIPMENT MAIN	1	M	Y	I			LEWIS	DUNCAN		1300	857.50	86000.00	47813.21	10/02/95	10/02/95	12/31/95	01/03/96				
T09-9510-006	E09Z132VC	SPECTRACE EVALUATI	1	M	N	I			LEWIS	EDWARDS		40	16.00	2340.00	820.04	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-007	E09Z166NC	DIGITIZATION PILOT	1	M	N	I			LEWIS	KUERZEL		300	194.00	20000.00	5644.72	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-008	E09Z023NH	REGIONAL CERCLIS C	1	M	N	I			LEWIS	LAWRENCE		110	104.00	5610.00	2976.32	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-009	E09Z062QH	PROGRAM QA/QC COOR	1	M	N	I			LEWIS	LAWRENCE		275	159.00	14725.00	4607.31	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-010	E09Z200GA	REGIONAL HEALTH &	1	M	Y	I			LEWIS	JONES		955	156.00	75565.00	6926.71	10/02/95	10/02/95	12/31/95	12/22/95				
T09-9510-011	E09Z201GA	TAT ADMINISTRATIVE	1	M	Y	I			LEWIS	CRUZ		2350	0.00	120350.00	51802.33	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-012	E09Z202VA	ON-CAL/RESPONSE CA	1	H	Y	I			LEWIS	EDWARDS		422	379.73	21522.00	11374.28	09/28/95	10/02/95	12/31/95	12/21/95				
T09-9510-013	E09Z203QA	ANALYTICAL QUALITY	1	M	Y	I			LEWIS	EDWARDS		100	62.50	6100.00	2493.09	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-014	E09Z204QA	TECHNICAL QUALITY	1	M	N	I			LEWIS	CASTRO-WEH		265	103.00	14500.00	5245.94	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-015	E09Z205NA	COMPUTER SUPPORT F	1	M	N	I			LEWIS	MARTIN		500	243.00	25850.00	15967.31	10/02/95	10/02/95	12/31/95	12/28/95				
T09-9510-016	E09Z206GA	REGIONAL CONTRIBUT	1	M	N	I			LEWIS	CHAMBERS		0	0.00	82516.00	0.00	09/28/95	10/02/95	12/31/95	01/03/96				
T09-9510-017	E09Z003PD	CEPP GENERAL PROGR	5	M	Y	I			ARDITON	CASTRO-WEH		40	38.00	2090.00	1874.22	10/03/95	10/03/95	10/30/95	12/22/95				
T09-9510-018A	E09Z171PC	EMERGENCY AIR MONI	5	M	Y	I			ARDITO	EDWARDS		150	97.50	7900.00	4213.55	12/21/95	12/21/95	12/30/95	12/21/95				
T09-9510-019A	E09Z090PD	OAHU FULL-FIELD EX	5	M	Y	I			ARDITO	GUEVARRA		56	37.50	3040.00	1210.06	12/21/95	12/21/95	12/30/95	12/22/95				
T09-9510-020	E09Z189PB	EVACUATION GUIDANC	5	M	Y	I			ARDITO	ESTEY		80	44.00	4180.00	3011.13	10/03/95	10/03/95	12/30/95	12/21/95				
T09-9510-021	E09Z175PB	SOUTHERN PACIFIC R	5	H	Y	I			ARDITO	CASTRO-WEH		10	0.00	700.00	57.54	09/28/95	10/02/95	12/30/95	12/21/95				
T09-9510-022A	ECA1218FB	FRONTIER FERTILIZE	1	M	Y	I			MANDEL	COLEN		520	444.50	31020.00	19543.62	12/04/95	12/05/95	12/31/95	12/21/95				
T09-9510-023	EAZ0444FC	NAVAJO TOXAPHENE	1	M	Y	I			MANDEL	WALDER		225	54.50	16325.00	1715.54	10/02/95	10/02/95	12/31/95	12/21/95				
T09-9510-024	ECA1211VD	DIAMOND 20 SUBDIVI	1	H	Y	I			SHANE	EDWARDS		25	29.00	1475.00	1881.08	09/28/95	10/02/95	12/31/95	12/22/95				
T09-9510-025	ECA0561MB	DODSON BROTHERS OI	1	H	Y	I			SHANE	WISE		120	112.00	7260.00	4310.66	10/03/95	10/04/95	12/31/95	12/21/95				
T09-9510-026	ECA1973FB	CENTRAL EUREKA MIN	1	H	Y	I			SHIPLEY	MCDONALD		1500	673.50	86500.00	27707.89	10/02/95	10/02/95	12/31/95	12/21/95				
T09-9510-027	ECA1973SC	CENTRAL EUREKA MIN	1	M	Y	I			SHIPLEY	DUNCAN		40	29.50	3240.00	1743.81	10/02/95	10/02/95	12/31/95	11/13/95				
T09-9510-028	ECA1019FE	DEL NORTE COUNTY P	1	M	Y	I			MANDEL	WHITAKER		300	115.00	21000.00	5633.54	10/02/95	10/02/95	12/31/95	12/21/95				
T09-9510-029A	ECA0156FE	CASMALIA RESOURCES	1	H	Y	I			ZUROSKI	JONES		2900	2650.00	203410.00	112886.34	10/21/95	10/21/95	12/31/95	12/21/95				
T09-9510-030	ENV0054RD	SPARKS SOLVENT/FUE	1	H	Y	I			ZUROSKI	WHITAKER		350	223.00	22000.00	12016.61	09/28/95	10/02/95	12/31/95	12/21/95				
T09-9510-031	EAZ0415SC	SANDERS AVIATION	1	M	Y	I			DUNKELMAN	MILAM		1000	175.00	68800.00	8326.90	10/06/95	10/10/95	12/30/95	12/21/95				
T09-9510-032	EAZ0434RD	YAVAPAI PENTA POND	1	H	Y	I			LAWRENCE	CASTRO-WEH		120	142.50	7500.00	7414.85	10/02/95	10/02/95	12/31/95	12/21/95				
T09-9510-033B	ECA1940RB	OMEGA RECOVERY SER	1	H	Y	I			LAWRENCE	SCHWENNESE		410	350.00	21740.00	12828.70	12/15/95	12/21/95	12/31/95	12/21/95				
T09-9510-034	E09Z191VB	OIL SPILL EXERCISE	2	M	Y	I			SUTER	BAILARD		10	15.00	610.00	988.70	10/03/95	10/03/95	12/31/95	10/18/95				
T09-9510-035	E09Z193QA	TECHNICAL QA EXCHA	1	H	N	I			LAWRENCE	CASTRO-WEH		200	222.50	11000.00	9775.92	10/06/95	10/10/95	11/15/95	10/31/95				
T09-9510-036	E09Z194NA	BULLETIN BOARD SYS	1	L	N	I			LEWIS	RANDALL		80	0.00	4380.00	28.77	10/17/95	10/17/95	12/31/95	12/28/95				
T09-9510-037	E09Z195VA	LEVEL A JUSTIFICAT	1	L	N	I			LEWIS	WISE		80	42.00	4580.00	1420.29	10/17/95	10/17/95	12/31/95	12/28/95				
T09-9510-038	ECA2015SA	GIBSON ENVIRONMENT	1	H	Y	I			LAWRENCE	BENSON		80	94.50	4300.00	4871.37	10/23/95	10/23/95	12/31/95	12/06/95				
T09-9510-039	ECA2016SA	GIBSON ENVIRONMENT	1	H	Y	I			LAWRENCE	MILAM		80	55.00	4300.00	2342.63	10/23/95	10/23/95	12/31/95	12/22/95				
T09-9510-040	E09Z196VA	CPT EVALUATION	1	L	N	I			LEWIS	HAMRICK		120	118.00	6320.00	4000.07	10/23/95	10/23/95	12/31/95	12/28/95				
T09-9510-041	E09Z172TE	CCC TRAINING	1	L	Y	I			LEWIS	WISE		100	96.50	6000.00	3539.38	10/24/95	10/25/95	12/31/95	12/28/95				

DATE: 01/09/96  
TIME: 11:23:17

ECOLOGY & ENVIRONMENT, INC.  
REGION 09

PAGE: 2

TDD MONTHLY STATUS

Active TDDS: October 1, 1995 THROUGH December 31, 1995

F=Funding: (1=CERCLA, 2=OPA, 3=UST, 4=OTHER, 5=CEPP)				P=PRIORITY: (High/Medium/Low)				S=STATUS: (initialized/Open/Interim/Closed)											
TDD NUMBER	PAN	SITE NAME	F	P	O	T	S	OSC MGR	E&E MGR	EST HOURS	ACTUAL HOURS	EST DOLLARS	ACTUAL DOLLARS*	TDD ISSU DATE	TDD RECD DATE	TDD COMP DATE	AOC INT DATE	AOC TATL DATE	AOC DPO DATE
T09-9510-042	ECA1990FA	VERDESE CARTER PAR	1	H	Y	I		SHANE	MARTIN	450	83.50	72000.00	3165.11	11/01/95	11/02/95	12/31/95	12/21/95		
T09-9510-101	E092166JA	DIGITIZATION PILOT	1	M	N	I		LEWIS	KUERZEL	0	0.00	970.00	808.33	10/16/95	10/17/95	12/31/95	10/25/95		
T09-9511-001	ECA2012RA	AMERICAN CHROME	1	H	Y	I		LEWIS	LAWRENCE	150	62.00	8110.00	2156.24	11/02/95	11/02/95	12/31/95	12/21/95		
T09-9511-002	ECA1967FC	SUPERCHROME PLATIN	1	H	Y	I		LEWIS	WISE	50	70.00	2600.00	2488.45	11/02/95	11/02/95	12/31/95	12/21/95		
T09-9511-101	ECA1967KB	SUPERCHROME PLATIN	1	H	N	I		LEWIS	WISE	24	24.00	2224.00	2080.02	11/15/95	11/15/95	12/31/95	12/28/95		
T09-9511-102	EA20434AD	YAVAPAI PENTA POND	1	M	N	I		LAWRENCE	CASTRO-WEH	0	0.00	4094.00	0.00	11/27/95	11/27/95	12/31/95	12/22/95		
T09-9512-001	E092197VA	HAWAII TECHNICAL A	1	H	Y	I		LEWIS	SCHEWENNES	100	58.00	7500.00	1996.35	12/20/95	12/21/95	12/31/95	12/28/95		



**APPENDIX B**

**REGION IX - ACTIVITY ACCOUNTY SUMMARY REPORT**

Date: 01/09/96

ECOLOGY & ENVIRONMENT, INC.

Page: 1

Time: 11:27:10

ACTIVITY ACCOUNT SUMMARY REPORT

For Period 12/01/95 through 12/31/95

Region 09

EPA Activity	TDD ASSIGNMENTS FOR PERIOD				INCEPTION THRU END OF PERIOD			Remaining
	Opened	Interim	Closed	Completed	Opened	Interim	Closed	Open
Analytical Services	0	1	0	1	1	1	0	0
Removal Funded	0	7	0	7	7	7	0	0
Program Mgmt.	0	2	0	2	6	2	0	4
Special Projects	0	0	0	0	1	1	0	0
Corp. Special Projects	0	1	0	1	1	1	0	0
On Site Monitoring	0	1	0	1	1	1	0	0
Information Mgmt.	0	4	0	4	4	4	0	0
Preparedness	0	5	0	5	5	5	0	0
Quality Assurance	0	3	0	3	4	4	0	0
Removal PRP	0	4	0	4	4	4	0	0
Site Assessment	0	3	0	3	4	4	0	0
Training	0	1	0	1	2	1	0	1
Technical Assistance	1	7	0	7	8	8	0	0
TOTAL	1	39	0	39	48	43	0	5

NOTE: "Opened" reflects all TDD numbers opened during the period specified.

"Interim" reflects all TDDs signed as interim closures BUT NOT final closures during the period specified.

"Closed" reflects all TDDs signed as final closures during the period specified.

"Completed" reflects all TDDs signed as interim closures or final closures for the first time during the specified period.